(1.) Prior Art mentioned in specification P8182US

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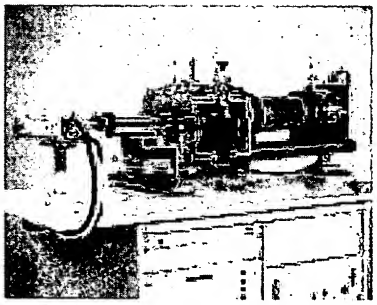

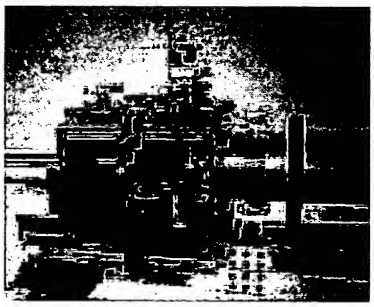

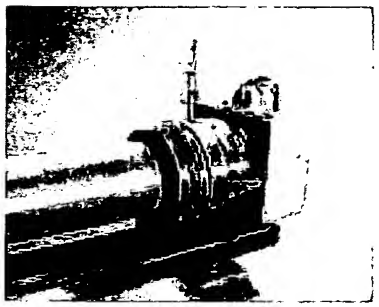

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Instruction Handbook

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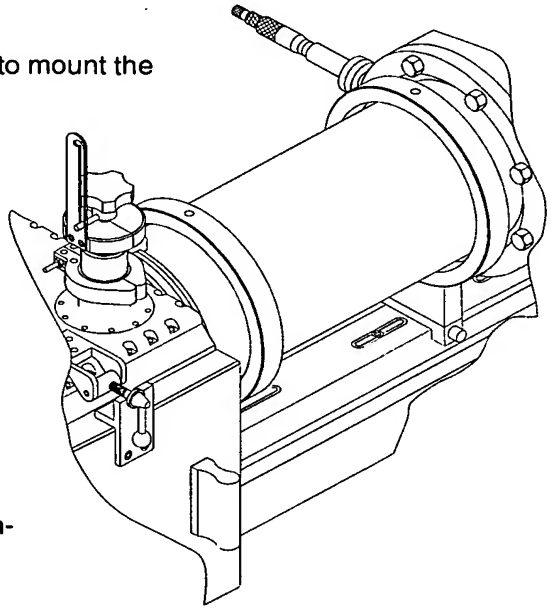
5.4 Scattering tube

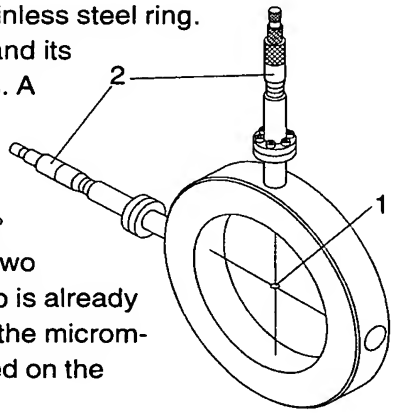


An ISO-K DN160 flange is used to mount the scattering tube to the sample chamber. The tube is supported on the adjustable stand by two adapter rings. The primary beam stop is fixed at the rear of the scattering tube.

When working in a wide angle range, however, the scattering tube is allowed to be removed. In this case, the primary beam stop has to be fixed directly to the flange connector at the chamber.

5.5 Primary beam stop

The primary beam stop is built into a rigid stainless steel ring. The actual beam stop is made of white gold and its size is matched to the respective diaphragms. A supporting piece is used to attach the stainless steel ring onto the adjustable stand.



The primary beam stop (1) is fixed by two 90° crossed nylon strings and is adjustable over two micrometer drives (2). The primary beam stop is already prealigned – to see the respective values for the micrometer drives refer to the Setting Sticker attached on the sample chamber housing (factory setting).

The primary beam stop is flanged to the detector. Two quick-acting couplings (3) are used to press the detector against the O-ring of the primary beam stop ring.